

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-014975**Date Inspected:** 15-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b> Yes No N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b> Yes No N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b> Yes No N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b> Yes No N/A
				<b>Delayed / Cancelled:</b> Yes No N/A
<b>Bridge No:</b>	34-0006	<b>Component:</b>	Orthotropic Box Girder( OBG)	

**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Manoj Prabhune was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

This QA Inspector randomly observed the following work in progress:

OBG # TRIAL ASSEMBLY YARD

Segment # Cross Beam 9

This QA Inspector along with Caltrans QA Mr. Manjunath Math performed Joint Inspection for the Cross Beam 10 for the Gap and Offset at the following locations.

West Bound Vertical Position FL3 to Floor Beam at PP 62 (1 ~ 13th Stiffener)

East Bound Vertical Position FL3 to Floor Beam at PP 62(1 ~ 13th Stiffener)

West Bound Vertical Position FL3 to Floor Beam at PP 63 (1 ~ 13th Stiffener)

East Bound Vertical Position FL3 to Floor Beam at PP 63(1 ~ 13th Stiffener)

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East Bound Vertical Position FL3 to Floor Beam at PP 64(1 ~ 13th Stiffener)

West Bound Vertical Position FL3 to Floor Beam at PP 64 (1 ~ 13th Stiffener)

East Bound Bottom Panel at PP 62 to 63 (1 ~ 5th and Corner Stiffener)

West Bound Bottom Panel at PP 62 to 63 (1 ~ 5th and Corner Stiffener)

East Bound Deck Panel at PP 62 to 63 (1 ~ 11th and Corner Stiffener)

West Bound Deck Panel at PP 62 to 63 (1 ~ 11th and Corner Stiffener)

East Bound Bottom Panel at PP 63 to 64 (1 ~ 5th and Corner Stiffener)

West Bound Bottom Panel at PP 63 to 64 (1 ~ 5th and Corner Stiffener)

East Bound Deck Panel at PP 63 to 64 (1 ~ 11th and Corner Stiffener)

West Bound Deck Panel at PP 63 to 64 (1 ~ 11th and Corner Stiffener)

The measured readings were data recorded in spread sheet, generated the report and submitted to the Task Leader and Engineer for review.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang phone: 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Prabhune,Manoj	Quality Assurance Inspector
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<b>Reviewed By:</b>	Patterson,Rodney	QA Reviewer
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